CLAIMS

- 1. A positive photosensitive resin composition comprising:
- 5 (a) alkaline aqueous solution-soluble polyamide having a polyoxazole precursor structure;
 - (b) an o-quinonediazide compound; and
 - (c) a latent acid generator which generates acid upon heating.

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2. The positive photosensitive resin composition according to claim 1, wherein the component (a) is a polyamide having a repeating unit represented by the following general formula (I):

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wherein U represents a tetravalent organic group, and V represents a divalent organic group.

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- 3. The positive photosensitive resin composition according to claim 1 or 2, wherein the component (c) is a salt formed of a strong acid and a base.
- 25 4. The positive photosensitive resin composition according to any one of claims 1 to 3, wherein the component (c) has a decomposition starting temperature of 140 to 250°C.

5. The positive photosensitive resin composition according to any one of claims 1 to 4, wherein the component (c) is a salt of toluenesulfonic acid.

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- 6. The positive photosensitive resin composition according to any one of claims 1 to 5, wherein the component (c) is an iodonium salt.
- 7. The positive photosensitive resin composition according to any one of claims 1 to 6, further comprising(d) a compound having a phenolic hydroxyl group.
- 8. The positive photosensitive resin composition
 15 according to claim 7, wherein the component (d) is a compound represented by the following general formula (II):

$$(R^{5}OCH_{2})_{m} \xrightarrow{II} X \xrightarrow{II} (CH_{2}OR^{6})_{n}$$

$$(R^{3})_{p} \qquad (R^{4})_{q}$$

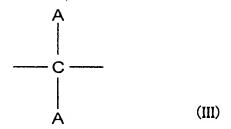
$$(II)$$

wherein X represents a single bond or a divalent organic group, each of \mathbb{R}^3 to \mathbb{R}^6 independently represents a hydrogen atom or a monovalent organic group, each of m and n is independently an integer of 1 to 3, and each of p and q is independently an integer of 0 to 4.

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9. The positive photosensitive resin composition according to claim 8, wherein the group represented by X in the general formula (II) is a group represented by the

following general formula (III):



- wherein each of two A's independently represents a hydrogen atom or an alkyl group having 1 to 10 carbon atoms, and optionally has any one of an oxygen atom and a fluorine atom or both.
- 10 10. The positive photosensitive resin composition according to any one of claims 1 to 9, wherein the content of the component (b) and the content of the component (c) are 5 to 100 parts by weight and 0.1 to 30 parts by weight, respectively, relative to 100 parts by weight of the component (a).
- 11. The positive photosensitive resin composition according to any one of claims 7 to 10, wherein the content of the component (b), the content of the component (c), and the content of the component (d) are 5 to 100 parts by weight, 0.1 to 30 parts by weight, and 1 to 30 parts by weight, respectively, relative to 100 parts by weight of the component (a).
- 25 12. A method for forming a pattern comprising the steps of:

applying the positive photosensitive resin composition according to any one of claims 1 to 11 onto a supporting

substrate and drying the composition to obtain a photosensitive resin film;

exposing the photosensitive resin film to a ray of active light having a predetermined pattern; and

- developing the exposed photosensitive resin film using an alkaline aqueous solution.
- 13. The method according to claim 12, further comprising a step of subjecting the developed photosensitive resin film to a heating treatment.
 - 14. The method according to claim 13, wherein the heating treatment is a treatment of irradiating the film with a pulse of microwave while changing the frequency thereof.

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- 15. The method according to claim 13 or 14, wherein the heating treatment is conducted at a temperature equal to or lower than 280°C.
- 20 16. An electronic part comprising an electronic device having a layer of pattern obtained by the method for forming a pattern according to any one of claims 12 to 15,

wherein the device comprises the layer of pattern provided therein as any one of an interlayer insulating layer and a surface protecting film layer or both.

17. The electronic part according to claim 16 which is MRAM.